

PP030059

Ser. No. 10/812,131
 Amdt. dated November 3, 2005
 Reply to Office action of May 3, 2005, 2005

Remarks/Arguments

35 U.S.C. §112, ¶2

The Examiner has objected to claim 5 as being indefinite for using the word "crenellated." It is submitted that crenellated is an English word meaning "having repeated square indentations like those in a battlement; a crenellated molding." A copy of page 623 of the Merriam-Webster New International unabridged dictionary, second edition, provides the following definitions:

Crenelle 1. One of the embrasures alternating with merlons in a battlement; indentation. 2. A crenulation.
 Crenellated 1. Furnished with battlements, embattled. 2. Crenulate

A copy of this page has been provided. It is submitted that crenellated is definite and therefore the subject matter of claim 5 is distinctly claimed. It is submitted that the objection has been overcome and such action is respectfully requested.

35 U.S.C. §102

Claims 1, 4 and 5 stand rejected under 35 U.S.C. §102(b) as being anticipated by Reindel (U.S. Patent No. 4990870)

The present application, as recited in claim 1, discloses a "Floating microwave filter in a waveguide structure, comprising filtering elements sandwiched between two foam half bars that are placed inside a waveguide, wherein one of the two foam half bars comprises the filtering elements made of metal features." According to the present invention, the filtering elements are realised directly on the surface of one of the two foam half-bars. This is clear from the drawings as well as from the description (page 3 - line 15 or line 19 or page 4 - lines 3 to 7). No additional substrate to be inserted between blocks of foam or similar is used in the present invention.

In Reindel, the conductive elements 26 are realised on a planar dielectric substrate 24. This assembly forms the filter assembly 14. The filter assembly 14 is positioned within waveguide interior cavity 18 between two foam dielectric bodies 16A, 16B. In this patent, a specific dielectric substrate is used to realize the filter. In addition, as shown in figure 3,

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the dielectric substrate 24 and conductive element 26 may comprise bent portions 24A, 26A and 24B, 26B. So the foam bar 16D shows a notch. This notch has nothing to see with the castellated shape in a longitudinal plane used in the present invention.

In view of the above remarks and comments it is respectfully submitted that there is claim 1 is allowable in light of Reindel and such action is respectfully requested. It is submitted that claims 4 and 5 are allowable for at least the same reasons that claim 1 is allowable and such action is respectfully requested.

35 U.S.C. §103

Claims 1 and 4-7 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Harel et al., in view of Reindel (US4990870).

In Harel et al as in Reindel (US4990870), the filtering elements are realized on an additional substrate. Neither Harel nor Reindel teach "one of the two foam half-bars comprises the filtering elements made of metal features" as recited by the currently amended claim 1. It is respectfully submitted that there is claim 1 is allowable over Harel in light of Reindel and such action is respectfully requested. It is submitted that claims 4-7 are allowable for at least the same reasons that claim 1 is allowable and such action is respectfully requested.

Claims 2 and 3 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Reindel (US4990870), in view of Carlson et al. (US 4,521,755). It is submitted that since claims 2 and 3 are dependant from allowable claim 1 that they too are allowable for at least the same reasons that claim 1 is allowable and such action is respectfully requested.

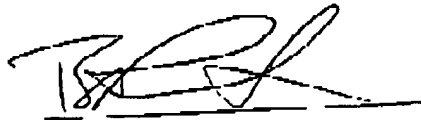
Having fully addressed the Examiner's rejections it is believed that, in view of the preceding amendments and remarks, this application stands in condition for allowance. Accordingly then, reconsideration and allowance are respectfully solicited. If, however, the Examiner is of the opinion that such action cannot be taken, the Examiner is invited to contact the applicant's representative at (609) 734-6804, so that a mutually convenient date and time for a telephonic interview may be scheduled.

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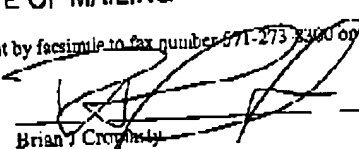
No fee is believed due. However, if a fee is due, please charge the additional fee to
Deposit Account 07-0832.

Respectfully submitted,



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Patent Operations
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November 3, 2005

CERTIFICATE OF MAILING	
I hereby certify that this amendment is being sent by facsimile to fax number 877-273-8300 on	
3 Nov 2005	
Date	Brian J. Cromarty

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